

AMENDMENT TO THE ABSTRACT

The following abstract will replace all prior versions of the abstract in the application:

~~Disclosed is a~~ A rotor blade for a wind power station, ~~comprising~~ includes a profiled member that is provided with a relative thickness which decreases towards the outside from a root to a tip of the blade. ~~Said~~ The profiled member has a leading edge and a trailing edge as well as a suction side and a pressure side while generating a negative pressure relative to the pressure side on the suction side when being flown against by moved air, ~~said~~ the negative pressure resulting in buoyancy. The suction side of the rotor blade encompasses a device for optimizing the flow around the profiled member. ~~The inventive rotor blade is characterized by the fact that said~~ device is provided with at least one planar element that extends substantially in the direction of flow, protrudes from the suction side, and is arranged in the zone of a transversal flow which runs from the root to the tip of the blade on the suction side of the profiled member. ~~The height and length of the planar element are selected such that the element causes said transversal flow to be effectively reduced.~~